

IN THE CLAIMS

Please cancel all pending claims.

Please add the following new claims:

83. (NEW) A method for identifying a disease-influencing gene comprising:

selecting individuals having a risk factor for a disease;

providing to each individual a communications apparatus;

5 sending queries to each individual through the apparatus;

receiving responses to the queries from the apparatus;

storing the responses of each individual;

defining a plurality of groups by categorizing the individuals having similar profiles based on the responses;

10 after defining said groups, sequencing the genotypes of each individual in each group; and

comparing the genotypes of the individuals between each group to identify said disease-influencing gene.

84. (NEW) The method of Claim 83, wherein the queries are script-based and are adjustable to each individual.

85. (NEW) The method of Claim 84, wherein the queries are adjustable with a script generator using initial and updated responses received from an individual.

86. (NEW) The method of Claim 83, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.

87. (NEW) The method of Claim 86 wherein the gene differences between groups is expressed by genetic expression among the phenotypic classifications.

88. (NEW) The method of claim 83, wherein the communication apparatus is connectable with a monitoring device configured to acquire physiologic data.

89. (NEW) The method of claim 88, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

90. (NEW) A system for identifying a disease-influencing gene comprising:

a communications apparatus operable by an individual; and

a communication network in signal communication with the

5 communications apparatus and a server, a workstation configured to send scripted queries, a genotyping system configured to provide genome sequences of the individual, and a patient profile system

configured to receive responses from the individual and genome analyses via the communications network and the server,

10           whereby gene sequences from the genome analyses are compared with the responses to the scripted queries in the patient profile system to identify a disease-influencing gene in the individual.

91. (NEW) The system of Claim 90, wherein the scripted queries and are adjustable to the individual using- a script generator configured to develop initial and updated queries in accord with responses from the individual.

92. (NEW) The system of Claim 90, wherein the responses from the individual are compared with the genome analyses of the individual to categorize each gene analysis according to disease progression.

93. (NEW) The system of Claim 92, wherein the disease progression includes non-insulin dependent diabetes.

94. (NEW) A system for identifying a disease-influencing gene comprising:

5           at least one communications apparatus in signal communication with a monitoring device configured to measure physiologic and environmental conditions, the communications

apparatus and monitoring device being operable by at least one individual; and

a communication network in signal communications with each communications apparatus and a server, a workstation  
10 configured to send scripted queries, a genotyping system configured to provide genome sequences of each individual, and a patient profile system configured to receive responses and measurements from the individual and genome analyses via the communications network and the server,

15 whereby gene sequences from the genome analyses are compared with the responses and measurements to the scripted queries in the patient profile system to identify a disease-influencing gene in each individual.

95. (NEW) The system of Claim 94, wherein the scripted queries and are adjustable to each individual using a script generator configured to develop initial and updated queries in accord with responses from each individual.

96. (NEW) The system of Claim 94, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

97. (NEW) The system of Claim 94, wherein the responses and measurements from each individual are compared with the genome

analyses of each individual to categorize each gene analysis  
according to disease progression of each individual into groups  
5 based on the responses and measurements sent by each individual.

98. (NEW) The system of Claim 97, wherein the disease  
progression includes non-insulin dependent diabetes.